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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,626	04/08/2004	David Richard Vernon-Dier	508-078.002	8461

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WARE FRESSOLA VAN DER SLUYS &
ADOLPHSON, LLP
BRADFORD GREEN BUILDING 5
755 MAIN STREET, P O BOX 224
MONROE, CT 06468

EXAMINER

DAVIS, CASSANDRA HOPE

ART UNIT	PAPER NUMBER
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3611

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/820,626

Applicant(s)

VERNON-DIER, DAVID RICHARD

Examiner

Cassandra Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claims 2-4, 8 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 7 and 8, the phrase "the mains" lacks antecedent basis.

In claim 2, the phrase "the means for supplying power to the display board" and "the display board" lacks antecedent basis.

2. Regarding claims 8, the phrase "such as" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

In claim 8, it is unclear how the power from the rotation of the rotatable section charges both the solar panel and the dynamo.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3, 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Samminiatielli, U. S. Patent 1,687,391.

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5. Samminiatielli teaches a display apparatus comprising stationary frame 16, housing 20, and rotation illuminated sections 21. Inside the housing Samminiatielli teaches a fixed motor, a rotating shaft 13 mounted to bearings 14. The rotatable shaft further comprises slip rings 23 and 24 engaged with bushes 27 and 24, wherein the bushes are fixedly mounted to the motor to provide rotational power to the shaft.

6. With respect to claim 2, Samminiatielli teaches slip ring device 23, 24, and 27 to provide rotational power to the illuminated section 21.

With respect to claim 3, the outer section 27 of the slip-ring are attached to the fixed section 16 and power supply 26 and an inner section 23 is affixed to the rotatable section 23 and moving therewith.

With respect to claim 5, the switch S of wiring seen in figure 5 corresponds to electronic controller.

With respect to claim 6, Samminiatielli teaches a motor *M* for rotation of the rotatable section.

With respect to claim 7, Samminiatielli teaches the power supply comprising a battery.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 8-11, as best understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Samminiattelli in view of Schöniger et al., U. S. Patent 4,903,172.

Schöniger teaches solar powered illuminated sign comprising a solar cell 17, a chargeable battery 19, and charging device 20, wherein the lights are powered by the solar cell during daylight. When the ambient illumination drops below a predetermined brightness the solar cell switch turns on the lights now powered by the batteries.

Conclusion


9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mott, U. S. Patent 4,463,702 is cited to show rotor arranged to drive an electrical generator such as a bicycle type dynamo. Barclay US 1,193,137 and Sutcliffe 1,903,537 are cited to show rotatable displays.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cassandra Davis whose telephone number is 703-308-2223. The examiner can normally be reached on Monday-Friday 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 703-308-0629. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cassandra Davis
Primary Examiner
Art Unit 3611

CD
March 19, 2005